Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/08/2022 09:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122440	-3	5.48	122331	5.46
Blue	F	SSC	125000	123599	-2	5.70	124090	5.65
Blue	E	FITC	13602	13018	-5	5.68	365	15.18
Blue	D	PE	24891	23930	-4	5.65	568	12.39
Blue	B	PerCP-Cy5-5	33972	32769	-4	6.17	937	16.83
Blue	A	PE-Cy7	22865	22167	-4	8.37	456	34.61
Red	C	APC	47198	46057	-3	4.78	1590	12.68
Red	A	APC-Cy7	26454	25409	-4	5.64	713	13.88
Violet	B	V450	6737	6286	-7	7.21 (1)	439	13.51
Violet	A	V500	29317	27546	-7	7.00	943	10.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23273	6.09	572	37	N/A	N/A	Pass
Blue	F	SSC	54240	5.63	525	4	N/A	N/A	Pass
Blue	E	FITC	54	58.52	494	10	0.0387	180	Pass
Blue	D	PE	109	42.92	497	11	0.3622	345	Pass
Blue	B	PerCP-Cy5-5	145	44.04	593	14	0.0168	41	Pass
Blue	A	PE-Cy7	74	88.39	639	18	0.0180	0	Pass
Red	C	APC	331	27.66	578	6	0.0250	178	Pass
Red	A	APC-Cy7	132	37.41	557	6	0.0056	1336	Pass
Violet	B	V450	74	53.11	451	1	0.0605	3364	Pass
Violet	A	V500	110	32.95	471	2	0.0210	655	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.42	-31.23	1.11
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.12	13.90 - 20.86	N/A	N/A	29.74	29.96	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9603

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments